UMT 30-6000-A-IUD-L5



Ordering information

Designation for ordering	UMT 30-6000-A-IUD-L5
Part number	**690-51569**
Order text	Ultrasonic sensor M30, scanning distance 6000 mm, 1 analogue output (4-20mA / 0-10V) with Auto-switching, 2 buttons, 7 Segment display, Synch-/Multiplex input, useful additional functions plug M12, 5-pin Replaces UM 30-6000 A-HP R1

CE IP67

Functions	
Set characteristic analog curve	via teach-in buttons and numerically via 7-segment display
Display	Parameter configuration
Display, LED 1	Switching output indicator
Display, LED 2	Switching output indicator
Setting options	Button lock via teach-in buttons Factory setting via teach-in buttons
Teach-in modes	Mode 1: Set window limits Mode 2: rising / falling output characteristic
Default settings	Measurement range: Maximum range Window limits analog signal: Blind zone and operating scanning distance switching output: rising analog characteristic curve
Additional functions	– Power-saving mode – Display mode – Selection of current or voltage output – Measured-value filter – Filter strength – Response delay – Foreground suppression – Multiplex operation device address – Multiplex operation highest address – Measurement range – Calibration display – Detection range, sensitivity

Electrical data	
Operating voltage UB *[V DC]*	9 ... 30
Explanation of operating voltage UB	max. 10% residual ripple, within UB
No-load current *[mA]*	≤ 80
Readiness delay *[ms]*	≤ 300
Reverse polarity protection	Yes
Short circuit protection	Yes
Response time Q *[µs]*	≤ 240,000
Explanation of response time	Parameters configurable via control panel
Analog output QA current *[mA]*	4 ... 20
Analog output QA voltage *[V]*	0 ... 10
Number of outputs	1

The information contained in this data sheet has been prepared with the utmost care. We reserve the right to make technical changes.

Mechanical data

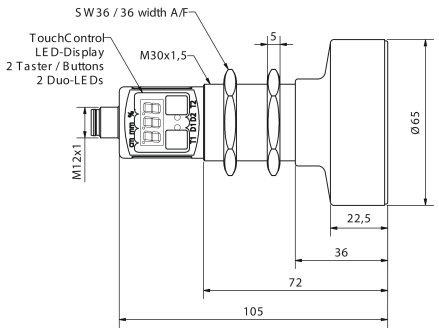
Height *[mm]*	105.0
Diameter	M30
Weight *[g]*	~ 270
Housing material	Brass, nickel-plated, Plastic parts: PBT, TPU
Material, ultrasonic converter	Polyurethane foam, Epoxy resin with glass content
Ambient temperature: operation *[°C]*	-25 ... 70
Ambient temperature: storage *[°C]*	-40 ... 85
Protection class	IP 67
Explanation of protection class	with IP 67 plug connected
Vibration and shock resistance	EN 60947-5-2
Connection name	Plug M12, 5-pin
- Thread	M12

Technical data

Limit range *[mm]*	0 ... 8000
Operating scanning distance *[mm]*	600 ... 6000
Ultrasonic sound frequency *[Hz]*	~ 80,000
Resolution *[mm]*	2.400
Explanation of resolution	0.18...2.4 m, depending on the set analog window
Repeatability *[mm]*	≤ 9.00
Explanation of repeatability	± 0.15% relative to current measured value
Accuracy	± 1% (Temperature drift compensated internally, can be switched off 0.17% / K without compensation), parameters configurable via control panel

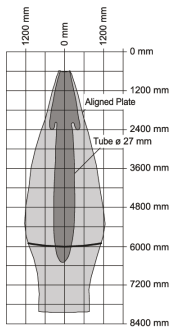
Technical drawings

Dimensional drawing



153-00964

Sound cone



155-01564

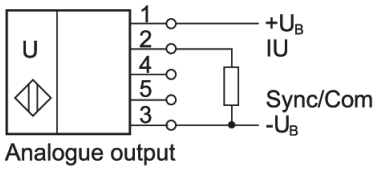
Synchronization/Multiplex

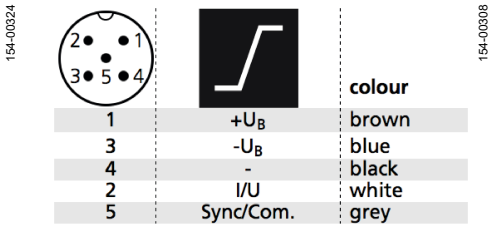
Montageabstände, unterhalb derer Synchronisation / Multiplex genutzt werden sollte.



Connections

5-pin





Product link

https://www.sensopart.com/en/products/details/690-51569